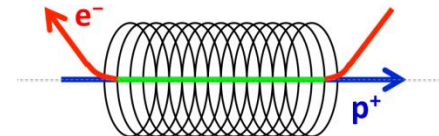


Electron Lens Superconducting Solenoid Status

Michael Anerella

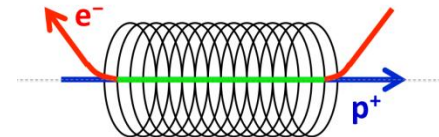
January 4, 2011

Outline



- Corrector coils
- Main solenoid coils
- Anti-Fringe field, Fringe Field coils
- Schedule

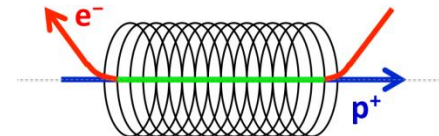
Corrector coils



- 1st aluminum tube machining:
 - complete, inspected, to be picked up this week
- Coil winding travelers drafted, being reviewed
- Assembly Drawings, parts, in progress
- Other materials (Nomex, substrate, transfer tape, etc.) in house or on order

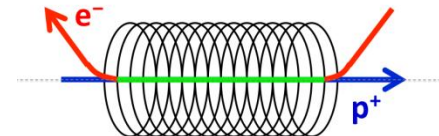


Main Solenoid Coils



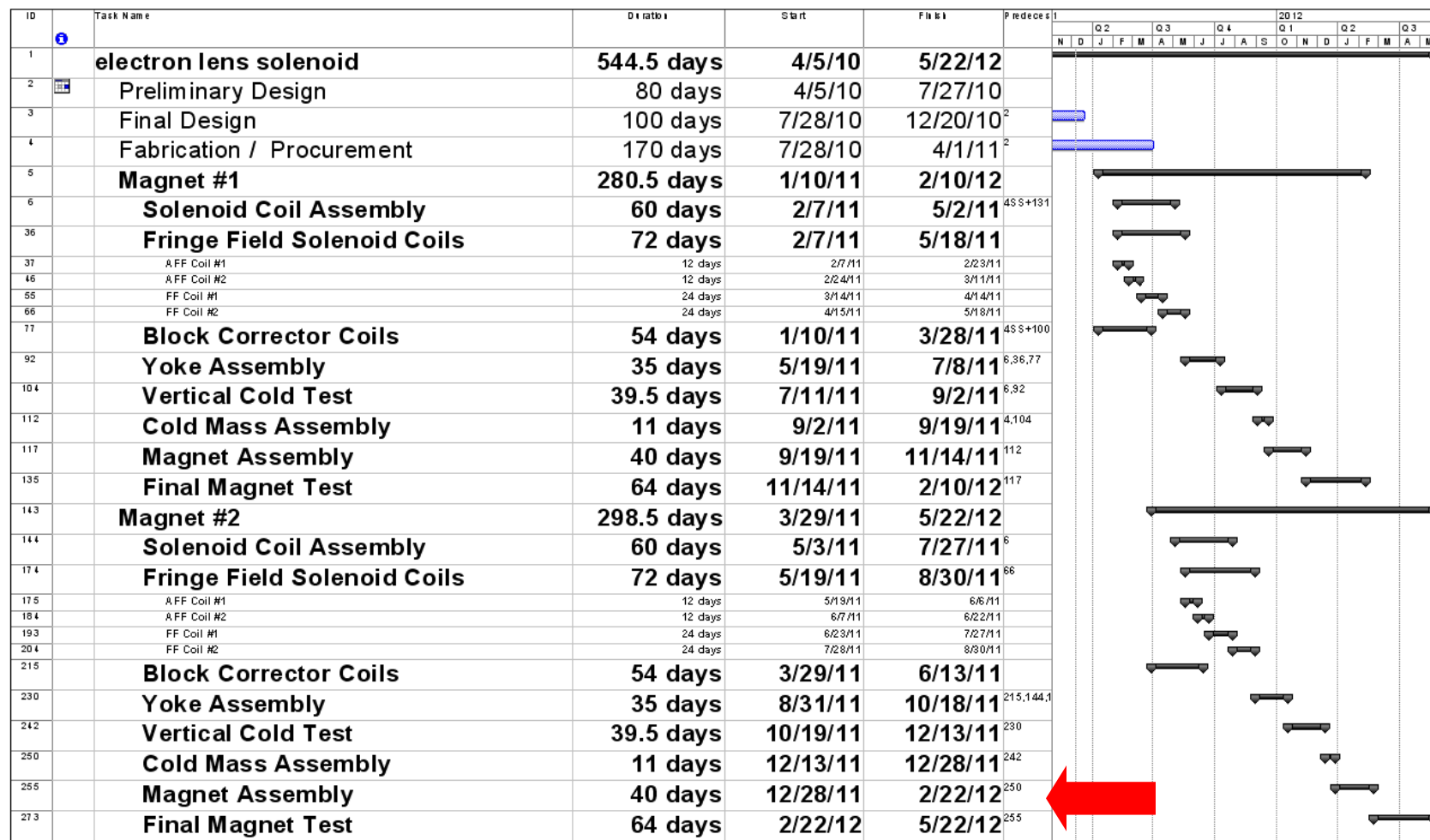
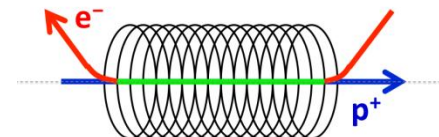
- Gantry tested, ready to use
- Main support tube on order, due ~~1/6/11~~ 1/14/11
- Machining drawing completed, being signed off.
- Superconductor shipped to NEWT
- Kapton insulating of sc - order placed, delivery promised 2/2/11 (partial quantities sooner)
- Assembly drawing, parts drawings - underway (LR)

AFF, FF Solenoid coils



- AFF conductor is “drop-offs” from main solenoid so delivery is the same
- AFF support hub
 - Model / drawings finished
 - Material received
 - Machining 1st 2 hubs underway, finished next week
- Assembly drawing completed, being reviewed
- Winding machine upgrade - hardware ordered, due 12/30
- FF work to follow AFF

Latest schedule



Meets 4/12 need date (2 months earlier than last schedule)